

CLAIMS

1/ A gas-insulated multi-phase line made up of sections,
each of which is formed by metal cladding filled with a
dielectric gas under pressure and containing at least
5 three phase conductors disposed in a triangle
configuration, wherein two adjacent sections are
connected together via a connection module whose metal
cladding is locally made up of a plurality of tubular
portions, each of which is filled with dielectric gas and
10 has a single phase conductor passing through it,
constituting a passive electrical connection.

2/ The gas-insulated line of claim 1, in which the
connection module is open at both ends so that the
15 volumes of said sections communicate with each other.

3/ The gas-insulated line of claim 1, in which the
connection module is closed in gastight manner by one or
more insulators at either or both of its ends so as to
20 isolate two adjacent sections from each other, or so as
to isolate said module from said sections.

4/ A connection module for a gas-insulated electricity
line of claim 1, which connection module has metal
25 cladding made up of a first dish-shaped end cap and of a
second dish-shaped end cap, which caps are provided with
orifices of aperture determined to enable phase
conductors to pass through them with a sufficient
isolation distance between each conductor and the
30 cladding, and in which connection module each of the
tubular portions of said cladding of the module is formed
of a link tube surrounding an orifice in the first end
cap and an orifice in the second end cap, through which
orifices the same phase conductor passes.

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- 5/ The connection module of claim 4, and in which one end cap is extended by said link tubes thereby forming an integrally-molded single piece therewith.
- 5 6/ The connection module of claim 4, and in which the tubular portions are mutually parallel.
- 7/ The connection module of claim 6 in which three tubular portions are disposed in an equilateral triangle configuration.
- 10 8/ The connection module of claim 4, in which each of the tubular portions is surrounded by a determined volume of air.
- 15 9/ The connection module of claim 4, in which windings forming the secondary of a current transformer are disposed in air around respective ones of said tubular portions.
- 20 10/ The connection module of claim 4, in which sensors are disposed in air around or in the vicinity of respective ones of said tubular portions.
- 25 11/ A method of assembling a connection module of claim 9, in which method each winding is firstly put in place around a tubular portion before the two end caps are assembled together via said tubular portions for forming the metal cladding of said module.